

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 08011721 A
(43) Date of publication of application: 16.01.1996

(51) Int. Cl B61L 25/02
B61L 3/12

(21) Application number: 06165964
(22) Date of filing: 27.06.1994

(71) Applicant: RAILWAY TECHNICAL RES INST
(72) Inventor: YOKOTA YOSHINAO
SAKAI TOSHIKUMI

(54) POSITION DETECTING DEVICE FOR MOVING BODY

(57) Abstract:

PURPOSE: To heighten reliability to induction wire failure through the realization of position detection with high accuracy by a means to be a little economical burden even in the case of trouble such as the severance of wire being generated to a pair of induction wires in a moving body position detecting device for detecting the position of a moving body using a cross induction line formed of plural pairs of induction wires.

CONSTITUTION: In regard to a computing system for computing a phase angle, the position information of a moving body, from input data received through a cross induction line, a computing system in a normal case and a computing system in the case of severance of each induction wire pair are previously stored, and the computing system to be applied is switched according to the state of the induction wire pair to realize position detection at the time of severance of the induction wire pair. Since there are some cases of containing a large

error in the computed result in the case of applying the computing system for the severed time of the induction wire pair, correction data tables are prepared to correct predicted errors by computing system. The computed result is corrected by correction data selected according to the applied computing system and the computed result, and the corrected data is outputted as the position detected result.

COPYRIGHT: (C)1996,JPO

